



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No: 032931/0235

In re patent application of MURDIN, Andrew D. *et al.*

Serial No.: 09/662,812

Group Art Unit: 1645

Filed: September 15, 2000

Examiner: Virginia Allen Portner

For: CHLAMYDIA ANTIGENS AND CORRESPONDING DNA
FRAGMENTS AND USES THEREOF

Commissioner for Patents
Washington, D.C. 20231

AMDT
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Linda
4/28/03

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AMENDMENT and RESPONSE

Sir:

In response to the Office Action mailed October 23, 2002, please consider the following amendments and remarks. While a shortened statutory period for response has expired, filed herewith is a petition for a three month extension of time, to extend the period for response to April 23, 2003. Accordingly, this response is timely filed.

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 7, line 3, with the following rewritten paragraph:

--Antigenic variation within the species *C. pneumoniae* is not well documented due to insufficient genetic information, though variation is expected to exist based on *C. trachomatis*. Serovars of *C. trachomatis* are defined on the basis of antigenic variation in the major outer membrane protein (MOMP), but published *C. pneumoniae* MOMP gene sequences show no variation between several diverse isolates of the organism (Campbell *et al.* Infection and Immunity (1990) 58:93; McCafferty *et al* Infection and Immunity (1995) 63:2387-9; Gaydos *et al.* Infection and Immunity.(1992) 60(12):5319-5323). The gene encoding a 76 kDa antigen has been cloned from a single strain of *C. pneumoniae* and the sequence published (Perez

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